

## ABSTRACT

This signal detection method detects an output signal indicating data information contained at least in two sideband waves from an input signal  
5 having a carrier and at least two sideband waves accompanying the carrier. The method includes a cut off step for cutting off a sideband wave positioned at the high frequency side or the low frequency side as compared to the carrier from the at least two sideband waves and a square detection step for outputting an output signal by performing square detection of an input signal  
10 having one of the sideband waves which has been cut off.